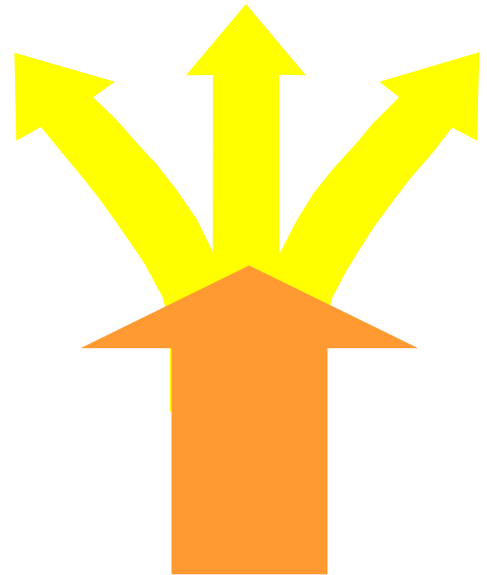


#056 FLEX HOSE SAFETY

This course addresses topics such as: an introduction to existing standards for high pressure operations; marking and tagging of high pressure components; inspection items for high pressure flexible hoses; design and fabrication of flex hoses/connections & restraints; proof/periodic testing; and operations concerns of working with flexible hoses in high pressure - connecting, torquing, restraints, etc. This course will make maximum use of lessons learned from NASA mishaps and close calls to drive home the hazards associated with flexible hoses and high pressure system operations.

Target Audience:

Safety, Reliability, Quality, and Maintainability
Supervisors of high pressure operations. Anyone designing, writing procedures for, or working with/around high pressure systems (both ground and flight operations)



Dates:

June 16, 2006
8:00-12 and 1:00-4:00

Location: MSFC
Building 4200, Room G13E

There are no CEUs for this class

Instructor:

Mr. Robert "Bob" Fischer, Principal Engineer, employed with Quantum Technology Services Inc., (QTSI), Cocoa Beach, FL, holds a B.S. degree in Aeronautical Engineering from the University of Colorado.. He has extensive experience in fluids systems design, fabrication and operations as associated with missile and space launch ground support equipment. Although his expertise is in cryogenic systems, he was supervisor of the Converter Compressor Facility gaseous supply facilities for the Apollo and Space Shuttle programs at the Kennedy Space Center (KSC). He has been manager of cryogenic design groups both for NASA contractors and private industry. During his 30 plus years in the propellants field, he has presented papers at various seminars and corporate executive briefings. In addition, he still remains as a supporting guest on the KSC Pressure Vessel/System Certification Committee. Although retired, he has served as a consultant for many NASA contractors requiring his expertise in design and certification of propellant systems.